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FOREST PRODUCTS LABORATORY  
LIST OF PUBLICATIONS ON MILLING  
AND  
UTILIZATION OF TIMBER PRODUCTS

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# FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS

## ON

### MILLING AND UTILIZATION OF TIMBER PRODUCTS

This list includes publications that present the results of research by the Forest Products Laboratory on methods and practices in the lumber producing and wood-consuming industries; standard lumber grades, sizes, and nomenclature; production and use of small dimension stock; specifications for small wooden products; utilization of little-used species and commercial woods; and low-grade and residue surveys. Included also are other Government and commercial publications on these subjects.

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## INSTRUCTIONS FOR OBTAINING PUBLICATIONS

Publications not available for distribution at this Laboratory are marked with an asterisk (\*).

Single copies of available material may be obtained free upon request from the Director, Forest Products Laboratory, Madison, Wis., 53705.

Federal Government bulletins, circulars, and leaflets, if not available for free distribution at this Laboratory may be purchased at the price indicated from the Superintendent of Documents, Government Printing Office, Washington, D.C., 20402. Send money order, draft, or cash; stamps or personal checks are not accepted.

Trade journals containing articles herein listed may often be purchased from the publishers or may be consulted in various libraries.

The Forest Products Laboratory reserves the right to furnish only those publications which in its judgment will give the information requested. Blanket requests or requests for a large number of copies of any individual article will not be filled except in unusual cases.

## BARKING AND CHIPPING

| Title                                                                                         | Author                | Publication and Date                               |
|-----------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|
| *Treating and harvesting interval for debarking ponderosa pine pulpwood with sodium arsenite. | : Woodfin, R. O., Jr. | : Tappi 46(2):73-75, Feb. 1963.                    |
| The use of debarkers in the South.                                                            | : Fobes, E. W.        | : South. Lbrman. 193(2417):239-240, Dec. 15, 1956. |
| Developments in debarking.                                                                    | : Fobes, E. W.        | : FPL Rep. No. 2071. 1956. +1962.                  |
| Debarkers used in the South and East.                                                         | : Miller, R. H. P.    | : FPL Rep. No. 2038. 1955. +1962.                  |
| Portable barking equipment.                                                                   | : Fobes, E. W.        | : Forest Prod. Res. Soc. Proc. 1952.               |
| *Status of portable wood chippers.                                                            | : Fobes, E. W.        | : Forest Prod. Res. Soc. Proc. 1949.               |

## MILLING

|                                                  |                  |                                                  |
|--------------------------------------------------|------------------|--------------------------------------------------|
| *Warp.                                           | : Malcolm, F. B. | : Plywood (India)11(1): 41-43, Jan. 1967.        |
| Coarse feed sawing of red oak-- a limited study. | : Malcolm, F. B. | : U.S. Forest Serv. Res. Note FPL- 0155. 1967.   |
| *Volume loss from inaccurate sawing.             | : Reineke, L. H. | : South. Lbrman. 213(2646):30-34, July 16, 1966. |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# MILLING (Continued)

| Title                                                                                                 | Author                              | Publication and Date                                                                      |
|-------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------|
| Better quality studs by FPL improved sawing method.                                                   | Hallock, Hiram                      | South. Lbrman.<br>212(2638):17-19,<br>Apr. 1, 1966.                                       |
| Knee position recorder for saw-mill carriage headblocks.                                              | Malcolm, F. B., &<br>Reineke, L. H. | U.S. Forest Serv.<br>Res. Note FPL-<br>0139. 1966.                                        |
| Volume loss from inaccurate sawing.                                                                   | Reineke, L. H.                      | U.S. Forest Serv.<br>Res. Note FPL-<br>0111. 1966.                                        |
| Self-propelled tree pruner.<br>*Also published as: A<br>mechanical self-propeller<br>pruning machine. | Malcolm, F. B.                      | Forest Prod. J.<br>15(2):57, Feb. 1965.<br>Northern Logger<br>12(10):22-23,<br>Apr. 1965. |
| Sawing to reduce warp of<br>loblolly pine studs.                                                      | Hallock, Hiram                      | U.S. Forest Serv.<br>Res. Paper<br>FPL 51. 1965.                                          |
| WARP--Research, milling<br>practices, and profits.                                                    | Malcolm, F. B.                      | South. Lbrman.<br>209(2609):131-135,<br>Dec. 15, 1964.                                    |
| Some thoughts on marginal saw-mill logs.                                                              | Hallock, Hiram                      | Forest Prod. J.<br>14(11):535-539,<br>Nov. 1964.                                          |
| Factors affecting saw capacity.                                                                       | Reineke, L. H.                      | Forest Prod. J.<br>14(6):235-238,<br>June 1964.                                           |
| Kerf width and lumber yield.                                                                          | Hallock, Hiram                      | Forest Prod. J.<br>14(2):80-85,<br>Feb. 1964.                                             |

\*Not available at Forest Products Laboratory.



# MILLING (Continued)

| Title                                                                                     | Author                                                       | Publication and Date                                                        |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------|
| Loss from variation in sawing precision.                                                  |                                                              | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 069. 1964.                     |
| Some aspects of sawing accuracy in circular mills.                                        | : Hallock, Hiram &<br>: Jaeger, Edward                       | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 029. 1964.                     |
| Research uncovers new sawing techniques.                                                  | : Link, R. A.                                                | : South. Lbrman.<br>: 187(2345):116-119.<br>: Dec. 15, 1963.                |
| New study proves narrower kerf hike yields on logs under 12 inches.                       | : Hallock, Hiram                                             | : South. Lbrman.<br>: 205(2561):172,<br>: 176, 178,<br>: Dec. 15, 1962.     |
| A mathematical analysis of the effect of kerf width on lumber yield from small logs.      | : Hallock, Hiram                                             | : FPL Rep. No. 2254.<br>: 1962.                                             |
| Physical and economic characteristics of sawdust and lumber.                              | : Malcolm, F. B.                                             | : 1962 Soc. of Amer.<br>: Foresters Proc.,<br>: pp. 152-157.                |
| Kerf chip sawing--a mixed blessing?                                                       | : Hallock, Hiram                                             | : South. Lbrman.<br>: 203(2528):33, 36,<br>: 38, 40, 42,<br>: Aug. 1, 1961. |
| Saw performance and lumber characteristics when producing pulpable southern pine sawdust. | : Malcolm, F. B.,<br>: Reineke, L. H., &<br>: Hallock, Hiram | : FPL Rep. No. 2210.<br>: 1961.                                             |
| Pendulum cutting test standardization and pertinent cutting fundamentals.                 | : Reineke, L. H.                                             | : Forest Prod. J.<br>: Pt. I, Oct. 1960.<br>: Pt. II, Nov. 1960.            |

# MILLING (Continued)

| Title                                                                      | Author         | Publication and Date                                                                              |
|----------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| *What are the relationships of feed speeds for cutting tools?              | Reineke, L. H. | Hitchcock's Wood-working Digest<br>62(3):83-85,<br>Mar. 1960.                                     |
| Factors influencing an expanded sawmilling industry for Hawaii.            | Malcolm, F. B. | FPL Rep. No. 2190.<br>1960.                                                                       |
| Feed-speed relationships for cutting tools.                                | Reineke, L. H. | FPL Rep. No. 2184.<br>1960.                                                                       |
| Yield and value of finished lumber from western white pine trees and logs. | Fobes, E. W.   | FPL Rep. No. 2163.<br>1959.                                                                       |
| Advances in sawing from forest to shop.                                    | Reineke, L. H. | FPL Rep. No. 2100.<br>1958.                                                                       |
| *Can logs containing sweep be straightened before sawing?                  | Peck, E. C.    | South. Lbrman.<br>194(2422):70,<br>Mar. 1, 1957.<br>Timber Tech.<br>65(2221):58-81,<br>Nov. 1957. |
| *Why blame the saw?                                                        | Malcolm, F. B. | South. Lbrman.<br>194(2420):54, 56,<br>Feb. 1, 1957.                                              |
| Motion energy of wood particles.                                           | Reineke, L. H. | Forest Prod. J.<br>6(12):507-509,<br>Dec. 1956.                                                   |
| Sawing rates, sawdust chambering, and spillage.                            | Reineke, L. H. | Forest Prod. J.<br>6(9):348-354,<br>Sept. 1956.                                                   |

\*Not available at Forest Products Laboratory.

# MILLING (Continued)

| Title                                                              | Author                         | Publication and Date                                                   |
|--------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------|
| Strr-ike one--you' re out.                                         | Reineke, L. H.                 | Natl. Safety News<br>73(4)36-37,<br>107-114,<br>Apr. 1956.             |
| Thickness variation of lumber<br>cut by circular mills.            | Telford, C. J.                 | South. Lbrman.<br>192(2397):54, 56,<br>Feb. 15, 1956.                  |
| Why joint saws?                                                    | Reineke, L. H.                 | Forest Science 1(1):<br>31-36, Mar. 1955.                              |
| *Milling equipment for small<br>logs.                              | Telford, C. J.                 | South. Lbrman.,<br>Dec. 15, 1954.                                      |
| *Volume loss from inaccurate<br>log sawing.                        | Reineke, L. H.                 | South. Lbrman.,<br>Sept. 15, 1954.                                     |
| Small sawmills, a pocket guide.                                    | Telford, C. J.                 | USDA Handb.<br>No. 70. 1954.                                           |
| Small sawmill operator's<br>manual.                                | Telford, C. J.                 | USDA Handb.<br>No. 27. 1952.                                           |
| Taming the saw.                                                    | Reineke, L. H.                 | Wood. May 1950.                                                        |
| *Open season on saws.                                              | Reineke, L. H.                 | Forest Prod. Res.<br>Soc. Proc. 1950,<br>Roanoke, Va.                  |
| Quality control in manufacture<br>of lumber from second<br>growth. | Paul, B. H., &<br>Sweet, C. V. | South. Lbrman.<br>Mar. 1, 1949.<br>FPL Rep.<br>No. 1781.<br>Rev. 1962. |

\*Not available at Forest Products Laboratory.

# MILLING (Continued)

| Title                                                                 | Author         | Publication and Date                                     |
|-----------------------------------------------------------------------|----------------|----------------------------------------------------------|
| Sawteeth in action.                                                   | Reineke, L. H. | Forest Prod. Res.<br>Soc. Proc. 1950,<br>Portland, Oreg. |
| Energy requirements for insert-point circular headsaws.               | Telford, C. J. | Forest Prod. Res.<br>Soc. Proc. 1949.                    |
| Small sawmill improvement, practical pointers to field agencies:      |                |                                                          |
| Small sawmill accounting.                                             |                | FPL Rep. 899-12.<br>1940. +1960.                         |
| Plans for small mill lumber treating equipment.                       |                | FPL Rep. 899-15.<br>1942. +1960.                         |
| Methods of loading lumber at the rear of the mill.                    |                | FPL Rep. 899-16.<br>+1960.                               |
| Scale boards.                                                         |                | FPL Rep. 899-18.<br>+1960.                               |
| Small mill conveyor.                                                  |                | FPL Rep. 899-21.<br>1944. Rev. 1958.                     |
| Burning waste material.                                               |                | FPL Rep. 899-22.<br>1953. +1960.                         |
| Methods of loading lumber at the rear of the mill (second in series). |                | FPL Rep. 899-23.<br>+1959.                               |
| Burning waste material at small plants remanufacturing wood products. |                | FPL Rep. 899-25.<br>+1963.                               |
| Summary of tests on power used on insert-point circular headsaws.     |                | FPL Rep. 899-26.<br>1949. +1963.                         |
| Mechanically powered deck equipment.                                  |                | FPL Rep. 899-28.<br>+1963.                               |
| Methods of handling lumber at the rear of the mill (third in series). |                | FPL Rep. 899-30.<br>1956. +1963.                         |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# MACHINING

| Title                                                             | Author          | Publication and Date                                                                                                |
|-------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| *Machining and other properties of fast- versus slow-grown trees. | Englerth, G. H. | Pub. in Black Walnut Culture, papers presented at Walnut Workshop, Carbondale, Ill. Aug. 2 and 3, 1966., pp. 77-82. |
| Woodworking machines.                                             |                 | U.S. Forest Serv. Res. Note FPL-048. 1964.                                                                          |
| Machining and related characteristics of United States hardwoods. | Davis, E. M.    | USDA Tech. Bull. 1267 Aug. 1962. Available from Sup. of Doc., GPO, Washington, D.C. 20402. 35 cents.                |
| The effect of density upon wood properties.                       | Davis, E. M.    | Hitchcock's Wood Working Digest 63(9):52-54, Sept. 1961.                                                            |
| Bumps and dents on lumber.                                        | Davis, E. M.    | Forest Prod. J. 10(10):522-523, Oct. 1960.                                                                          |
| *The danger of excessive rough planing.                           | Davis, E. M.    | Hitchcock's Wood Working Digest 62(9):78-79, Sept. 1960.                                                            |
| *Trouble-shooting in woodworking.                                 | Davis, E. M.    | Hitchcock's Wood Working Digest 62(8):77-83, Aug. 1960.                                                             |

\*Not available at Forest Products Laboratory.



# MACHINING (Continued)

| Title                                                                                                                                     | Author                             | Publication and Date                            |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------|
| *Conventional planer shavings<br>vs. special planer chips for<br>pulp.                                                                    | Davis, E. M.                       | Paper Industry,<br>pp. 20-22,<br>Apr. 1960.     |
| Machining ponderosa pine and<br>Douglas-fir: Effect of growth:<br>rate and density.                                                       | Davis, E. M.                       | Forest Prod. J.<br>10(1):1-3,<br>Jan. 1960.     |
| Three "musts" for good<br>machining.                                                                                                      | Davis, E. M.                       | Wood-Worker,<br>Mar. 1959.                      |
| *Good planing practices in<br>Engelmann spruce and lodge-<br>pole pine require attention to<br>moisture, knife cuts, and<br>depth of cut. | Davis, E. M.                       | Lumberman 85(10):<br>44-46, Oct. 1958.          |
| Development of methods for<br>evaluating the machining<br>qualities of wood and wood-<br>base materials.                                  | Davis, E. M.                       | FPL Rep. No. 2108.<br>1958.                     |
| *Machining properties of eight<br>Philippine hardwoods.                                                                                   | Davis, E. M., &<br>Faustino, D. G. | Wood-Worker<br>76(9):8-10,<br>Nov. 1957.        |
| *Developments in woodworking<br>machinery during the last<br>75 years.                                                                    | Davis, E. M.                       | Wood-Worker<br>76(1):8-11, 22-29,<br>Mar. 1957. |
| Machining tests for particle<br>board: some factors<br>involved.                                                                          | Davis, E. M.                       | FPL Rep. No. 2072.<br>1957. +1963.              |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

## MACHINING (Continued)

| Title                                                                        | Author           | Publication and Date                                        |
|------------------------------------------------------------------------------|------------------|-------------------------------------------------------------|
| Some machining properties of<br>nine Liberian hardwoods.                     | : Davis, E. M.   | : FPL Rep. No. 2093.<br>: 1957. +1963.                      |
| Testing hardboards for<br>machinability.                                     | : Davis, E. M.   | : Wood-Worker<br>: 75(4):24-35, 79-90,<br>: June 1956.      |
| *Grain separation and related<br>defects in Douglas-fir door<br>stock.       | : Davis, E. M.   | : Wood-Worker<br>: 74(11):12-13, 26-30,<br>: Jan. 1956.     |
| *Portable planers.                                                           | : Malcolm, F. B. | : Wood, Aug. 1950;<br>: South. Lbrman.,<br>: Nov. 15, 1950. |
| *Machining of madrone,<br>California laurel, tanbark<br>oak, and chinquapin. | : Davis, E. M.   | : Calif. Lbr. Merchant,<br>: Dec. 15, 1947.                 |

## MARKETING (FARM AND WOODLOT TIMBER)

|                                           |                                                                  |                                                              |
|-------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|
| *Measuring and marketing farm<br>timbers. | : Forest Service                                                 | : USDA Farm.<br>: Bull. 1210.<br>: Rev. 1955.<br>: 15 cents. |
| *Managing the small forest.               | : Forest Service, Soil<br>: Conservation Serv. &<br>: Ext. Serv. | : USDA Farm.<br>: Bull. 1989.<br>: Rev. 1948.<br>: 15 cents. |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# GRADES, SPECIFICATIONS, AND STANDARDIZATION

| Title                                                                                   | Author                                                           | Publication and Date                       |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------|
| Effect of tree spacing on weight yields for red and jack pine.                          | Maeglin, R. R.                                                   | J. of Forestry 65(9): 647-650, Sept. 1967. |
| Development of a computer method for predicting lumber cutting yields.                  | Dunmire, Daniel E., & Englerth, G. H.                            | U.S. Forest Serv. Res. Paper NC-15, 1967.  |
| Yields of random-width dimension from 4/4 hard maple lumber.                            | Schumann, David, & Englerth, G. H.                               | U.S. Forest Serv. Res. Paper FPL 81, 1967. |
| *Predicting yields of standard hardwood lumber grades.                                  | Englerth, G. H.                                                  | Northern Logger 15(3):19-39, Sept. 1966.   |
| Programing for lumber yield.                                                            | Englerth, G. H., & Dunmire, D. E.                                | Forest Prod. J. 16(9):67-69, Sept. 1966.   |
| Hardwood log grades for standard lumber.                                                | Vaughan, C. L., Wollin, A. C., McDonald, K. A., & Bulgrin, E. H. | U.S. Forest Serv. Res. Paper FPL 63. 1966. |
| Veneer yields from Lake States quaking aspen.                                           | Bulgrin, E. H., McDonald, K. A., & Vaughan, C. L.                | U.S. Forest Serv. Res. Paper FPL 59. 1966. |
| A simplified procedure for developing grade lumber from hardwood logs.                  | Malcolm, F. B.                                                   | U.S. Forest Serv. Res. Note FPL-098. 1965. |
| Changes in mill run hardwood sawlog lumber grade yields when veneer logs are withdrawn. | Woodfin, R. O., Jr.                                              | U.S. Forest Serv. Res. Paper FPL 13. 1964. |

\*Not available at Forest Products Laboratory.



# GRADES, SPECIFICATIONS, AND STANDARDIZATION (Continued)

| Title                                                                                                           | Author                                                  | Publication and Date                                                                                            |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| California black oak, a utilization study.                                                                      | Malcolm, F. B.                                          | FPL Rep. No. 2237.<br>1962.                                                                                     |
| Yield in clear cuttings from standard grade eastern white pine boards in New England.                           | Englerth, G. H., &<br>Wollin, A. C.                     | FPL Rep. No. 2243.<br>1962.                                                                                     |
| Effect of defect placement and taper setout on lumber grade yields when sawing hardwood logs.                   | Malcolm, F. B.                                          | FPL Rep. No. 2221.<br>1961.                                                                                     |
| Pocket-edition--Hardwood log grades for standard lumber and how to apply them.                                  |                                                         | FPL Rep. No. 1737-A.<br>+1961.                                                                                  |
| Overrun estimates of the Scribner Decimal C log rule and the International 1/4-Inch log rule for hardwood logs. | Henley, John W.                                         | FPL Rep. No. 2214.<br>1961.                                                                                     |
| A method of indirect calculation for use in log grade analyses.                                                 | Yandle, D. O.                                           | FPL Rep. No. 2194.<br>1960.                                                                                     |
| *An evaluation of defect orientation methods in grade sawing northern hardwoods.                                | Creighton, J. W.,<br>Malcolm, F. B., &<br>Wollin, A. C. | Mich. State Univ.<br>Quart. Bull. 38(3):<br>216-224, Nov. 1955.<br>(Mich. Agr. Exp. Sta.,<br>E. Lansing, Mich.) |
| *Oregon maple log and lumber grading.                                                                           | Wollin, A. C., &<br>Pfeiffer, J. R.                     | Oregon Forest Prod.<br>Lab., Corvallis,<br>Oreg. Rep. No. G-5,<br>1955.                                         |
| *Grading problems that challenge the lumber industry.                                                           | Johnson, R. P. A.                                       | Forest Prod. Res.<br>Soc. Proc. 1950;<br>Wood Products,<br>Dec. 1950.                                           |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# UTILIZATION

## Residues

| Title                                                                 | Author | Publication and Date                           |
|-----------------------------------------------------------------------|--------|------------------------------------------------|
| General recommendations regarding methods for wood waste utilization. |        | FPL Rep. No. 1666.<br>Reprinted 1963.          |
| Uses for sawdust and shavings.                                        |        | U.S. Forest Serv.<br>Res. Note FPL-047. 1964.  |
| Uses for slabs, edgings, and trims.                                   |        | U.S. Forest Serv.<br>Res. Note FPL-038. 1964.  |
| Uses for forest residues.                                             |        | U.S. Forest Serv.<br>Res. Note FPL-092. 1965.  |
| Chemical composition and uses of bark.                                |        | U.S. Forest Serv.<br>Res. Note FPL-091. 1965.  |
| Wood products manufacture at small sawmills and wood-working plants.  |        | U.S. Forest Serv.<br>Res. Note FPL-087. 1965.  |
| Wood flour.                                                           |        | U.S. Forest Serv.<br>Res. Note FPL-0113. 1966. |
| Briquets from wood waste.                                             |        | U.S. Forest Serv.<br>Res. Note FPL-075. 1964.  |
| Sawdust floor-sweeping compounds.                                     |        | U.S. Forest Serv.<br>Res. Note FPL-0115. 1966. |

## UTILIZATION (Continued)

### Residues (Continued)

| Title                                                         | Author                                 | Publication and Date                                    |
|---------------------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Use of short boards in sheathing :<br>crates. :               |                                        | : FPL Rep. 1666-17.<br>: +1958.                         |
| Wood fuel combustion practice. :                              |                                        | : FPL Rep. 1666-18.<br>: Rev. 1960. +1961.              |
| Wood fuel preparation. :                                      |                                        | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 090. 1965. |
| Board materials from wood :<br>residues. :                    |                                        | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 045. 1964. |
| <u>General</u>                                                |                                        |                                                         |
| How to make a laminated diving :<br>board. :                  |                                        | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 088. 1965. |
| How to treat fence posts by :<br>double diffusion. :          | : Baechler, R. H.                      | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 013. 1963. |
| Protect imported carvings with :<br>PEG. :                    | : Mitchell, H. L., &<br>: Fobes, E. W. | : Forest Prod. J.<br>: 12(10):476-477.<br>: Oct. 1962.  |
| Electron microscope expands :<br>horizons in wood research. : | : Sachs, I. B.                         | : FPL Rep. No. 2256.<br>: 1962.                         |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# UTILIZATION (Continued)

## General (Continued)

| Title                                                                                                       | Author                            | Publication and Date                           |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------|
| A concept of intrinsic wood quality, and nondestructive methods for determining quality in standing timber. | Mitchell, H. L.                   | FPL Rep. No. 2233.<br>1961.                    |
| Method of determining specific gravity of small wood chips.                                                 | Smith, Diana M.                   | FPL Rep. No. 2209.<br>1961.                    |
| Quality evaluation of Hawaiian timber.                                                                      | Malcolm, F. B.                    | FPL Rep. No. 2226.<br>1961.                    |
| Forest industry opportunities in rural development.                                                         |                                   | USDA Agr. Inf.<br>Bull. No. 222.<br>Mar. 1960. |
| Making log cabins endure.                                                                                   |                                   | FPL Rep. No. 982.<br>Rev. 1960.                |
| Timber resources.                                                                                           | Hall, J. A.                       | FPL Rep. No. 2080.<br>1957. +1963.             |
| Opportunities and problems in utilizing wood products of the southern and south central forests.            | Hall, J. A.                       | Soc. Amer. Forests<br>Proc. 1956.              |
| *Stadium seating: A Madison project for the use of low-grade timber overlaid with resin-treated paper.      | Heebink, B. G.                    | Wood 21(7):266-267,<br>July 1956.              |
| *Fiber products as a factor in utilization.                                                                 | Locke, E. G., &<br>Johnson, K. G. | Forest Prod. J.<br>5(3):153-156,<br>June 1955. |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# UTILIZATION (Continued)

## General (Continued)

| Title                                                                   | Author           | Publication and Date                      |
|-------------------------------------------------------------------------|------------------|-------------------------------------------|
| *Overlays promise better utilization of timber.                         | Seidl, R. J.     | Soc. Amer. For. Proc. 1955, pp. 110-115.  |
| Prospective wood quality and species requirements in forest industries. | Hall, J. A.      | Soc. Amer. For. Proc. 1954, pp. 75-77.    |
| Effect of time of cutting timber on its durability.                     |                  | FPL Tech. Note F-15. 1953. Reissued 1958. |
| Suitability of woods for use in barns and other farm structures.        |                  | FPL Tech. Note 246. Reissued 1953.        |
| Weights of various woods grown in the United States.                    |                  | FPL Tech. Note 218. 1953. Reissued 1961.  |
| *Hickory-ash bats get baseball trial.                                   | McDonald, J. K.  | South. Lbrman., Dec. 15, 1951.            |
| Characteristics of wood as fuel.                                        | Miller, R. H. P. | Forest Prod. Res. Soc. May 1951.          |
| Excelsior manufacture.                                                  |                  | FPL Rep. No. 1711. 1948. +1961.           |
| Gasogens.                                                               | Miller, R. H. P. | FPL Rep. No. 1463. 1944. +1962.           |
| Wood slat snow fence.                                                   | Benson, A. O.    | FPL Rep. No. 1085. 1936. +1960.           |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.



# UTILIZATION (Continued)

## By Industries

### Buildings

| Title                                                          | Author                            | Publication and Date                                                                                                                                                        |
|----------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Selection and use of wood products for farm and home building. | Anderson, LeRoy O.                | USDA Agr. Inf. Bull. 311. 1967.                                                                                                                                             |
| Nailing dense hardwoods.                                       |                                   | U.S. Forest Serv. Res. Note FPL-037. 1964.                                                                                                                                  |
| Selecting farm framing lumber for strength.                    | Wood, Lyman W.                    | USDA Leaflet No. 481. 1960.                                                                                                                                                 |
| Strength tests of spliced studs.                               | Erickson, E. C. O.                | FPL Rep. No. 1275. Rev. 1959.                                                                                                                                               |
| *Use and abuse of wood in house construction.                  | Johnson, R. P. A., & Davis, E. M. | USDA Misc. Pub. 358. 1939. 10 cents.                                                                                                                                        |
| <u>Containers</u>                                              |                                   |                                                                                                                                                                             |
| Bin pallets for agricultural products.                         | Heebink, T. B.                    | FPL Rep. No. 2115. 1958.                                                                                                                                                    |
| Hardwood pallet manufacturing.                                 | Heebink, T. B., & Fobes, E. W.    | FPL Rep. No. 2132. 1958.                                                                                                                                                    |
| *Species of wood suitable for use in contact with foodstuffs.  | Johnson, R. P. A.                 | Cold Storage Locker Operator's Conf. Proc. 1939. (Copies of Proc. available from Prof. Marvin A. Schaars, Room 204, Agr. Hall. Univ. of Wis., Madison, Wis., for 75 cents.) |

\*Not available at Forest Products Laboratory.



## UTILIZATION (Continued)

### By Industries (Continued)

#### Containers (Continued)

| Title                                                                                   | : | Author       | : | Publication and Date                      |
|-----------------------------------------------------------------------------------------|---|--------------|---|-------------------------------------------|
| <hr style="border-top: 1px dashed black;"/>                                             |   |              |   |                                           |
| *Tests of wood for butter<br>containers with reference to<br>imparting odor and flavor. | : | Davis, E. M. | : | USDA Misc. Pub. 250.<br>1936. 5 cents.    |
| *Description of the tests made<br>of southern hardwoods for<br>butter boxes and tubs.   | : |              | : | Barrel & Box &<br>Packages.<br>Oct. 1934. |

#### Veneer and Plywood

|                                                       |   |  |   |                                                    |
|-------------------------------------------------------|---|--|---|----------------------------------------------------|
| The manufacture of veneer.                            | : |  | : | FPL Rep. No. 285.<br>Rev. 1962.                    |
| Properties of ordinary wood<br>compared with plywood. | : |  | : | FPL Tech. Note 131.<br>Reissued 1962.              |
| Veneer cutting and drying<br>properties:              | : |  | : |                                                    |
| Water oak.                                            | : |  | : | U.S. Forest Serv.<br>Res. Note FPL-<br>0105. 1965. |
| Red alder.                                            | : |  | : | FPL Rep. 1766-2.<br>+1960.                         |
| Cottonwood.                                           | : |  | : | U.S. Forest Serv.<br>Res. Note FPL-<br>044. 1964.  |
| Western larch.                                        | : |  | : | FPL Rep. 1766-4.<br>1951. +1960.                   |
| Western hemlock.                                      | : |  | : | FPL Rep. 1766-7.<br>1951. +1960.                   |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

## UTILIZATION (Continued)

### By Industries (Continued)

#### Veneer and Plywood (Continued)

#### Veneer cutting and drying properties: (Continued)

| Title                    | Author | Publication and Date                                    |
|--------------------------|--------|---------------------------------------------------------|
| Redwood.                 |        | : FPL Rep. 1766-8.<br>: Rev. 1959.                      |
| Tupelo.                  |        | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 017. 1963. |
| Engelmann spruce.        |        | : FPL Rep. 1766-10.<br>: 1953. +1960.                   |
| Southern pine.           |        | : FPL Rep. 1766-11.<br>: 1956. +1962.                   |
| Ponderosa pine.          |        | : FPL Rep. 1766-12.<br>: 1956. +1962.                   |
| Aspen and hybrid poplar. |        | : FPL Rep. 1766-13.<br>: 1957. +1963.                   |
| Pacific madrone.         |        | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 094. 1965. |
| Tanoak.                  |        | : FPL Rep. 1766-15.<br>: 1959.                          |
| Tamarack.                |        | : FPL Rep. 1766-16.<br>: 1961.                          |

### By Species

#### U.S. Forest Service American woods series:

|               |                     |
|---------------|---------------------|
| Alder, red    | Maple               |
| Baldcypress   | Oaks                |
| Buckeye       | Osage-orange        |
| Butternut     | Pine, eastern white |
| Cedar, Alaska | jack                |

+Information reviewed and reaffirmed.

## UTILIZATION (Continued)

### By Species (Continued)

#### U.S. Forest Service American woods series: (Continued)

|                                                                          |                                                              |
|--------------------------------------------------------------------------|--------------------------------------------------------------|
| Cedar, eastern red-<br>incense-<br>northern white-<br>Port Orford white- | Pine, ponderosa<br>red<br>southern<br>sugar<br>western white |
| Douglas-fir                                                              | Redwood                                                      |
| Fir, noble<br>white                                                      | Spruce, Sitka                                                |
| Hackberry                                                                | Sweetgum                                                     |
| Hemlock, eastern<br>western                                              | Sycamore, American                                           |
| Holly, American                                                          | Tamarack                                                     |
| Larch, western                                                           | Tupelo                                                       |
| Locust, black                                                            | Walnut, black                                                |
|                                                                          | Yellow-poplar                                                |

Separates from Silvics of Forest Trees of the United States, Agr. Handb. 271. 1965.

|                                                                                                              |                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alder, red                                                                                                   | Madrone, Pacific                                                                                                                                                      |
| Ashes                                                                                                        | Magnolia, southern                                                                                                                                                    |
| Aspen, bigtooth<br>quaking                                                                                   | Maple, bigleaf<br>black                                                                                                                                               |
| Baldcypress                                                                                                  | red                                                                                                                                                                   |
| Basswoods                                                                                                    | silver                                                                                                                                                                |
| Beech, American                                                                                              | sugar                                                                                                                                                                 |
| Birch, paper<br>sweet<br>yellow                                                                              | Oak, black<br>bur<br>cherrybark<br>chestnut<br>chinkapin<br>laurel<br>live<br>northern red<br>nuttall<br>Oregon white<br>overcup<br>pin<br>post<br>scarlet<br>Shumard |
| Buckeyes                                                                                                     |                                                                                                                                                                       |
| Cedar, Alaska<br>Atlantic white-<br>eastern red<br>incense<br>northern white-<br>Port Orford-<br>western red |                                                                                                                                                                       |
| Cherry, black                                                                                                |                                                                                                                                                                       |
| Cottonwood, black<br>eastern<br>swamp                                                                        |                                                                                                                                                                       |

## UTILIZATION (Continued)

### By Species (Continued)

Separates from Silvics of Forest Trees of the United States, Agr. Handb. 271.  
1965. (Continued)

|                         |                      |
|-------------------------|----------------------|
| Dogwood, flowering      | southern red         |
| Elms                    | swamp chestnut       |
| Fir, balsam             | water                |
| California red          | white                |
| Douglas-                | willow               |
| grand                   | Pecan                |
| noble                   | Persimmon, common    |
| Pacific silver          | Pine, eastern white  |
| Subalpine               | jack                 |
| white                   | Jeffrey              |
| Hackberry               | loblolly             |
| Hemlock, eastern        | lodgepole            |
| mountain                | longleaf             |
| western                 | Monterey             |
| Hickory, bittersnut     | pinyon               |
| mockernut               | pitch                |
| nutmeg                  | pond                 |
| pignut                  | ponderosa            |
| shagbark                | red                  |
| water                   | sand                 |
| Honeylocust             | shortleaf            |
| Juniper, Rocky Mountain | slash                |
| western                 | sugar                |
| Larch, western          | Virginia             |
| Laurel, California      | western white        |
| Locust, black           | Poplar, balsam       |
|                         | yellow-              |
|                         | Redwood              |
|                         | Sequoia, giant       |
|                         | Sassafras            |
|                         | Spruce, black        |
|                         | red                  |
|                         | Sitka                |
|                         | white                |
|                         | Sweetgum             |
|                         | Sycamore, American   |
|                         | Tamarack             |
|                         | Tanoak               |
|                         | Tupelos              |
|                         | Walnut and butternut |
|                         | Willow, black        |

# UTILIZATION (Continued)

## By Species (Continued)

| Title                                                                                   | Author                                  | Publication and Date                              |
|-----------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------|
| A literature survey of <u>Populus</u> species with emphasis on <u>P. tremuloides</u> .  | Pronin, Dimitri, & Vaughan, C. L.       | U.S. Forest Serv. Res. Note FPL-0180. 1967.       |
| Color tests for differentiating heartwood and sapwood in certain softwood tree species. | Kutscha, Norman & Sachs, I. B.          | FPL Rep. No. 2246. 1962.                          |
| Specific gravity variation in Mississippi pines.                                        | Wheeler, P. R., & Mitchell, H. L.       | FPL Rep. No. 2250. 1962.                          |
| Some anatomical responses of loblolly pine to soil-water deficiencies.                  | Smith, Diana M., & Wilsie, Mary C.      | Tappi 44(3):179-185, Mar. 1961.                   |
| *Early pruning improves lumber grades.                                                  | Paul, B. H.                             | South. Lbrman. 202(2516):29-30, 32. Feb. 1, 1961. |
| Some publications on domestic and foreign woods (a list).                               |                                         | FPL Rep. No. 1479. Rev. 1961.                     |
| Second growth oak.                                                                      | Paul, B. H.                             | South. Lbr. J. Jan.-Feb. 1959.                    |
| Mechanical properties of Coulter pine from California.                                  | Dohr, A. W.                             | FPL Rep. No. 2102. 1958. +1965.                   |
| Some properties of California white oak and Oregon white oak.                           | Paul, B. H., Dohr, A. W., & Drow, J. T. | FPL Rep. No. 2135. 1958. +1965.                   |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.

# UTILIZATION (Continued)

## By Species (Continued)

| Title                                                                                | Author                                      | Publication and Date                                                |
|--------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------|
| Mechanical properties of red oak related to drying.                                  | : Youngs, R. L.                             | : Forest Prod. J.<br>: 7(10):315-324,<br>: Oct. 1957.               |
| Paper birch utilization in the Lake States.                                          | : Davis, E. M.                              | : FPL Rep. No. 1953.<br>: +1959.                                    |
| Red hickory as strong as white hickory.                                              | :                                           | : FPL Tech. Note 171.<br>: 1953.                                    |
| The white pine group.                                                                | :                                           | : FPL Tech. Note 215.<br>: 1952.                                    |
| Some characteristics of Brazilian parana pine affecting its use for millwork.        | : Pillow, M. Y.                             | : Forest Prod. Res.<br>: Soc. Proc. Vol. 5,<br>: pp. 297-302. 1951. |
| *Properties of white fir and their relation to the manufacture and uses of the wood. | : Johnson, R. P. A., &<br>: Brundage, M. R. | : USDA Tech. Bull. 408.<br>: 1934. Out of print.                    |
| *Properties of western larch and their relation to uses of the wood.                 | : Johnson, R. P. A., &<br>: Bradner, M.     | : USDA Tech. Bull. 285.<br>: 1932. Out of print.                    |
| Utilization of black locust.                                                         | : Cuno, J. B.                               | : USDA Circ. 131.<br>: 1930.                                        |
| Properties of western hemlock and their relation to uses of the wood.                | : Johnson, R. P. A., &<br>: Gibbons, W. H.  | : USDA Tech. Bull. 139.<br>: 1929.                                  |

\*Not available at Forest Products Laboratory.

+Information reviewed and reaffirmed.



# UTILIZATION (Continued)

## By Species (Continued)

| Title                                                                                                          | Author                     | Publication and Date                              |
|----------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|
| North Central aspen reports: A series of 22 reports on the utilization of aspen.                               |                            | : North Central Exp. Sta., St. Paul, Minn.        |
| Northeastern Forest Exp. Sta. beech utilization reports: A series of 19 reports on the utilization of beech.   |                            | : Northeastern Forest Exp. Sta., Upper Darby, Pa. |
| Southeastern Forest Exp. Sta. Hickory Task Force reports: A series of 8 reports on the utilization of hickory. |                            | : Southeastern Forest Exp. Sta., Asheville, N.C.  |
| <u>Engelmann spruce reports:</u>                                                                               |                            |                                                   |
| Use of Engelmann spruce for house construction.                                                                | Luxford, R. F.             | : FPL Rep. 1944-1. 1953. +1960.                   |
| Engelmann spruce and its preservative treatment for ties and timbers.                                          | Wood, L. W., & Blew, J. O. | : FPL Rep. 1944-3. 1953. +1960.                   |
| Mechanical properties of Engelmann spruce.                                                                     | Drow, J. T.                | : FPL Rep. 1944-4. 1960.                          |
| The air drying of Engelmann spruce.                                                                            | Peck, E. C.                | : FPL Rep. 1944-5. 1953. +1960.                   |
| Kiln drying of Engelmann spruce.                                                                               | Rietz, R. C.               | : FPL Rep. 1944-6. Rev. 1960.                     |
| Some machining properties of Engelmann spruce.                                                                 | Davis, E. M.               | : FPL Rep. 1944-7. 1954. +1960.                   |
| <u>U.S. Forest Service foreign wood series:</u>                                                                |                            |                                                   |
| Agba, <u>Gossweilerodendron balsamiferum</u> (Verm.) Harms.                                                    | Kukachka, B. F.            | : FPL Rep. No. 2024. Rev. 1961.                   |

+Information reviewed and reaffirmed.

# UTILIZATION (Continued)

## By Species (Continued)

### U.S. Forest Service foreign wood series: (Continued)

| Title                                                                                 | Author                            | Publication and Date                       |
|---------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------|
| Alerce, <u>Fitzroya cupressoides</u> (Molina)                                         |                                   | FPL Rep. No. 1982. +1961.                  |
| Johnston (=F. <u>patagonica</u> J. D. Hooker)                                         |                                   |                                            |
| Angelique, <u>Dicorynia guianensis</u> Amsh.                                          | Kukachka, B. F.                   | U.S. Forest Serv. Res. Note FPL-071. 1964. |
| Avodire, <u>Turraeanthus africanus</u> (Welw. ex C.DC.)                               | Koeppen, R. C., & Kukachka, B. F. | FPL Rep. No. 1905. Rev. 1961.              |
| Pellegr.                                                                              |                                   |                                            |
| Brazilian araucaria ("Parana pine"), <u>Araucaria angustifolia</u> (Bert.) O. Kuntze. | Brush, W. D.                      | Unnumbered leaflet. 1945.                  |
| Cativo, <u>Prioria copaifera</u> Gris.                                                | Kukachka, B. F.                   | U.S. Forest Serv. Res. Note FPL-095. 1965. |
| Conacaste or guanacaste. <u>Enterolobium cyclocarpum</u> .                            | Gerry, Eloise                     | FPL Rep. No. 1985. 1954. +1960.            |
| Corisa, <u>Chorisia insignis</u> HBK.                                                 | Kukachka, B. F.                   | FPL Rep. No. 1996. Rev. 1961.              |
| Courbaril, <u>Hymenaea</u> spp.                                                       | Kryn, Jeannette M.                | FPL Rep. No. 1942. +1962.                  |
| Crabwood, <u>Carapa</u> spp., Meliaceae                                               | Kukachka, B. F.                   | FPL Rep. No. 2247. 1962.                   |
| Greenheart, <u>Ocotea rodioei</u> (Schomb.) Mez-Nectandra rodioei Schomb.             | Brush, W. D.                      | Unnumbered leaflet. 1944.                  |
| Iroko, <u>Chlorophora excelsa</u> B. & H. f.                                          | Brush, W. D.                      | Unnumbered leaflet. 1943.                  |

+Information reviewed and reaffirmed.

# UTILIZATION (Continued)

## By Species (Continued)

### U.S. Forest Service foreign wood series: (Continued)

| Title                                                      | Author                             | Publication and Date                    |
|------------------------------------------------------------|------------------------------------|-----------------------------------------|
| Ishpingo, <u>Amburana acreana</u> (Ducke) A. C. Smith.     | Kukachka, B. F.                    | FPL Rep. No. 1915.<br>Rev. 1961.        |
| Kokrodua, <u>afroormosia elata</u> .                       | Kukachka, B. F.                    | FPL Rep. No. 1978.<br>Rev. 1960.        |
| Lignumvitae, <u>Guajacum</u> spp.                          | Brush, W. D.                       | Unnumbered leaflet.<br>1938.            |
| Mahogany, <u>Swietenia macrophylla</u> King, Meliaceae.    | Kukachka, B. F.                    | FPL Rep. No. 2167.<br>1959. +1965.      |
| Marupa, <u>Simarouba amara</u> Abul.                       | Kukachka, B. F.                    | FPL Rep. No. 1956.<br>Rev. 1960.        |
| Palosapis, <u>Anisoptera</u> spp.                          | Kukachka, B. F.                    | FPL Rep. No. 2051.<br>1956. +1962.      |
| Primavera, <u>Cybistax donnell-smithii</u> (Rose) Siebert. | Kukachka, B. F.                    | FPL Rep. No. 2021.<br>Rev. 1958. +1965. |
| Sen, <u>Kalopanax pictus</u> (Thumb.) Nakai.               | Kukachka, B. F.                    | FPL Rep. No. 1979.<br>Rev. 1957. +1962. |
| Teak, <u>tectona grandis</u> . L.f.                        | Brush, W. D.                       | Unnumbered leaflet.<br>1945.            |
| Yemeri, <u>Vochysia hondurensis</u> Sprague.               | Kryn, Jeannette M.                 | FPL Rep. No. 1946.<br>Rev. 1956. +1962. |
| Characteristics of some imported woods.                    | Kukachka, B. F.                    | FPL Rep. No. 2242.<br>1962.             |
| The woods of Liberia.                                      | Kryn, Jeannette M., & Fobes, E. W. | FPL Rep. No. 2159.<br>1959.             |

+Information reviewed and reaffirmed.

# MISCELLANEOUS

| Title                                                                 | Author                                    | Publication and Date                                                                                                                               |
|-----------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| *Bowls from scrap wood and PEG.                                       | : Englerth, G. H., &<br>: Mitchell, H. L. | : Workbench, July-<br>: Aug. 1967,<br>: 23(4):56-57.                                                                                               |
| *Forest industries of the USSR.                                       | : Pronin, Dimitri                         | : Forest Prod. J.<br>: 17(5):11-12,<br>: May 1967.                                                                                                 |
| *Russia's wood industry to benefit from new inland waterways.         | : Pronin, Dimitri                         | : Forest Prod. J.<br>: 16(9):116-117,<br>: Sept. 1966.                                                                                             |
| *Profitable use of low-grade timber.                                  | : Mitchell, H. L.                         | : Pub. in Black Walnut<br>: Culture, papers<br>: presented at Walnut<br>: Workshop,<br>: Carbondale, Ill.<br>: Aug. 2 and 3, 1966.<br>: pp. 72-76. |
| Some common fallacies about wood.                                     |                                           | : U.S. Forest Serv.<br>: Res. Note FPL-<br>: 097. 1965.                                                                                            |
| *Lumber manufacturing, wood-using, and allied associations: (a list). |                                           | : U.S. Forest Service.<br>: 1962.                                                                                                                  |
| *Products of American forests.                                        | : Champion, F. J.                         | : USDA Misc. Pub.<br>: No. 861. 1961.<br>: Available from<br>: Sup. of Doc., GPO,<br>: Washington, D.C.<br>: 20402. 30 cents.                      |

\*Not available at Forest Products Laboratory.

# MISCELLANEOUS (Continued)

| Title                                                             | Author                                                         | Publication and Date                                                                          |
|-------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Some books about wood (a list).                                   |                                                                | FPL Rep. No. 399.<br>1961.                                                                    |
| Wood identification at the<br>U.S. Forest Products<br>Laboratory. | Kukachka, B. F.                                                | FPL Rep. No. 2232.<br>1961.                                                                   |
| *Fifty years of service through<br>wood research.                 |                                                                | USDA Misc. Pub.<br>No. 820. 1960.                                                             |
| Opportunities for graduate<br>studies in forest products.         |                                                                | 1960.                                                                                         |
| Recent progress in forest<br>products research.                   | Locke, E. G.                                                   | South. Lbrman.<br>199(2489):104-107.<br>Dec. 1959.                                            |
| *The Norwegian screw splitter<br>for fuelwood.                    | Reineke, L. H.                                                 | Northeastern Logger<br>5(11):28-29,<br>May 1957. J.<br>Forestry 55(6):<br>464-465, June 1957. |
| Forestry and the forest products<br>industry in Liberia.          | Fobes, E. W.                                                   | South. Lbrman.<br>193(2417):185-186,<br>Dec. 15, 1956.                                        |
| *Elastic wedges--A new<br>development for sash gang<br>saws.      | Hvamb, G., Introduc-<br>tion & Translation<br>by L. H. Reineke | Forest Prod. J.<br>6(4):27-A,<br>Apr. 1956.                                                   |

\*Not available at Forest Products Laboratory.



# MISCELLANEOUS (Continued)

| Title                                                                                | Author             | Publication and Date                                                                                     |
|--------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|
| *Check list of native and naturalized trees of the United States (including Alaska). | Little, E. L., Jr. | USDA Agr. Handb. No. 41, 1953. \$ 2.25 (cloth) available from Sup. of Doc., GPO, Washington, D.C. 20402. |
| *Highlights of progress in forest products research.                                 | Markwardt, L. J.   | ASTM Bull. No. 174:45-54, May 1951.                                                                      |
| Properties, selection, and suitability of woods for wood-working.                    | Coleman, D. G.     | Indus. Arts & Voc. Educ., Dec. 1940-Feb. 1941.                                                           |

\*Not available at Forest Products Laboratory.

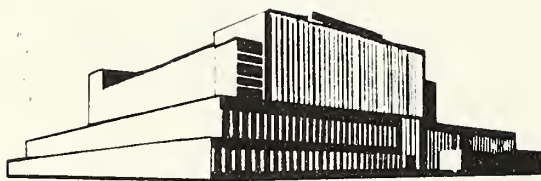


PUBLICATION LISTS ISSUED BY THE  
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|                                                                               |                                                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Architects, Builders, Engineers,<br>and Retail Lumbermen                      | Logging, Milling, and Utilization<br>of Timber Products                      |
| Box and Crate Construction and<br>Packaging Data                              | Mechanical Properties and Struc-<br>tural Uses of Wood and Wood<br>Products  |
| Chemistry of Wood                                                             |                                                                              |
| Drying of Wood                                                                | Modified Woods, Paper-Base<br>Laminates, and Reinforced<br>Plastic Laminates |
| Fire Performance                                                              |                                                                              |
| Fungus and Insect Defects in<br>Forest Products                               | Sandwich Construction                                                        |
|                                                                               | Thermal Properties of Wood                                                   |
| Furniture Manufacturers,<br>Woodworkers, and Teachers<br>of Woodshop Practice | Wood Fiber Products                                                          |
|                                                                               | Wood Finishing Subjects                                                      |
| Glue and Plywood                                                              | Wood Preservation                                                            |
| Growth, Structure, and<br>Identification of Wood                              |                                                                              |

Note: Since Forest Products Laboratory publications are so varied in subject matter, no single catalog of titles is issued. Instead, a listing is made for each area of Laboratory research. Twice a year, January 1 and July 1, a list is compiled showing new reports for the previous 6 months. This is the only item sent regularly to the Laboratory's mailing roster, and it serves to keep current the various subject matter listings. Names may be added to the mailing roster upon request.



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## FOREST PRODUCTS LABORATORY

